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NOTICE OF ALLOWANCE AND FEE(S) DUE

22434

7590

04/03/2008

BEYER WEAVER LLP P.O. BOX 70250 OAKLAND, CA 94612-0250 EXAMINER

HALIYUR, VENKATESH N

ART UNIT PAPER NUMBER

2619 DATE MAILED: 04/03/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/691.419	10/17/2000	Gordon MacKay	CISCP261	4308

TITLE OF INVENTION: METHOD AND APPARATUS TO DETECT AND BREAK LOOP CONFIGURATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	07/03/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CO.	NFIRMATION NO.
09/691,419 TITLE OF INVENTION	10/17/2000 i: METHOD AND APPA	ARATUS TO DETECT A	Gordon MacKay ND BREAK LOOP C		IGURATION		CISCP261		4308
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	OUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	Т	DATE DUE
nonprovisional	NO	\$1440	\$0		\$0 \$1440		\$1440		07/03/2008
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HALIYUR, VI	ENKATESH N	2619	370-254000						
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recordation as set fort (A) NAME OF ASSI	h in 37 CFÑ 3.11. Comp GNEE	categories (will not be pi	T a substitute for filing (B) RESIDENCE: (C	g an a CITY	assignment. and STATE OR C	OUNT	TRY)		
Advance Order -	No small entity discount p	permitted)	b. Payment of Fee(s): (A check is enclos Payment by credi The Director is he overpayment, to I	sed. it card ereby	d. Form PTO-2038 authorized to char	is atta		eficien	cy, or credit any
5. Change in Entity Sta	tus (from status indicated is SMALL ENTITY state		☐ b. Applicant is no	o long	er claiming SMAl	LL EN	ΓΙΤΥ status. See 37 CI	FR 1.1	27(g)(2).
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interest as shown by the	records of the Office Sta	tes I atent and Trademark	Conice.						
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Typed or printed name			Registration No.						
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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BEYER WEAV	ER LLP		HALIYUR, VI	ENKATESH N	
P.O. BOX 70250			ART UNIT	PAPER NUMBER	
OAKLAND, CA	94612-0250		2619		
			DATE MAILED: 04/03/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1612 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1612 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	09/691,419	MACKAY ET AL.		
Notice of Allowability	Examiner	Art Unit		
	VENKATESH HALIYUR	2619		
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the c (OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	orrespondence address plication. If not included n will be mailed in due course. THIS		
1. \boxtimes This communication is responsive to <u>Pre-appeal brief/notice</u>	ce of appeal filed on 02/28/2008.			
2. The allowed claim(s) is/are <u>22-28,33-39 and 44</u> .				
 Acknowledgment is made of a claim for foreign priority una)	be been received. be been received in Application No			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1)				
each sheet. Replacement sheet(s) should be labeled as such in t				
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da			
3. Information Disclosure Statements (PTO/SB/08),	7. ⊠ Examiner's Amendi	ment/Comment		
Paper No./Mail Date 4.	8. ☑ Examiner's Statement9. ☐ Other	ent of Reasons for Allowance		

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kevin M. Donnelly (Reg No: 61,643) on 03/25/2008.

The application has been amended as follows:

In claims:

a. Following claims amended to recite as:

Claim 22: A method for handling a communication in a network of nodes, each node having an associated identification that is unique from other identifications in the network of nodes, the method comprising:

receiving, at a first node, a communication from a second node, wherein the communication includes an identification;

determining, at the first node, whether the identification included in the communication is closer to, equidistant from, or further from a

predetermined identification value than an identification associated with the first node;

if the identification included in the communication is closer to the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a communication including the identification that was included in the communication received from the second node;

if the identification included in the communication is further from the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a communication including the identification associated with the first node; and

if the identification included in the communication is equidistant from the predetermined identification value as the identification associated with the first node, concluding that a loop exists in the network <u>and appointing</u> a node as a master loop breaker.

Claim 33: An apparatus for handling a communication in a network of nodes, each node having an associated identification that is unique from other identifications in the network of nodes, the apparatus comprising:

one or more components to configured to:

receive, at a first node, a communication from a second node, wherein the communication includes an identification;

determine, at the first node, whether the identification included in the communication is closer to, equidistant from, or further from a predetermined identification value than an identification associated with the first node;

if the identification included in the communication is closer to the predetermined identification value than the identification associated with the first node, send, from the first node to a third node, a communication including the identification that was included in the communication received from the second node;

if the identification included in the communication is further from the predetermined identification value than the identification associated with the first node, send, from the first node to a third node, a communication including the identification associated with the first node; and

if the identification included in the communication is equidistant from the predetermined identification value as the identification associated with the first node, conclude that a loop exists in the network <u>and appoint a</u> node as a master loop breaker.

Claim 44: An apparatus for handling a communication in a network of nodes, each node having an associated identification that is unique

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from other identifications in the network of nodes, the method comprising:

means for receiving, at a first node, a communication from a
second node, wherein the communication includes an identification;

means for determining, at the first node, whether the identification included in the communication is closer to, equidistant from, or further from a predetermined identification value than an identification associated with the first node;

means for:

if the identification included in the communication is closer to the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a communication including the identification that was included in the communication received from the second node;

if the identification included in the communication is further from the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a communication including the identification associated with the first node; and

if the identification included in the communication is equidistant from the predetermined identification value as the identification associated with the first node, concluding that a loop exists in the network <u>and appointing a node as a master loop</u>

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breaker.

b. Following claims are canceled:

Claim: 29-32 (Canceled).

Claim: 40-43 (Canceled).

2. The following is an examiner's statement of reasons for allowance:

Claims 22-28, 33-39, 44 are allowed over prior art. Claims 1-21, 29-32, 40-43 are canceled.

The prior art fails to teach or fairly suggest the following limitations recited in independent claims 22, 33, 44 for method, apparatus and means,

"if the identification included in the communication is closer to the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a communication including the identification that was included in the communication received from the second node;

if the identification included in the communication is further from the predetermined identification value than the identification associated with the first node, sending, from the first node to a third node, a

communication including the identification associated with the first node; and

if the identification included in the communication is equidistant from the predetermined identification value as the identification associated with the first node, concluding that a loop exists in the network and appointing a node as a master loop breaker."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatesh Haliyur whose telephone number is 571-272-8616. The examiner can normally be reached on Monday thru Friday 8:30AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edan Orgad can be reached on 571-272-7884. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Venkatesh Haliyur/

Examiner, Art Unit 2619

/Edan Orgad/

Supervisory Patent Examiner, Art Unit 2619